



**Sustainable Fuel Dialogue  
Fort Carson Community Sustainability  
Conference**

November 9, 2005



# Agenda

- Flex Fuel Vehicles (FFVs)
- The values of E85 and FFVs
  - Environmental
  - Economic
  - Energy Independence

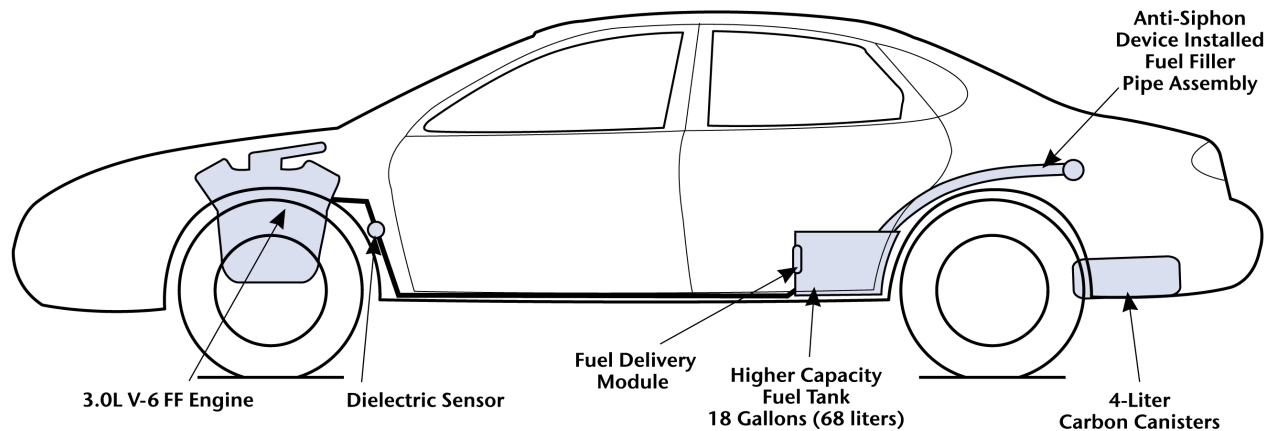


# Flex-Fuel Vehicles

- Designed to run E85, unleaded or any combination
- Over 30 Models Available
- Cars, Pickups and SUVs
- Complete list at [www.e85fuel.com](http://www.e85fuel.com)

# What is an FFV?

- The Engine Control Module “reads” the fuel blend, enabling drivers to fuel with E85 or gasoline in any combination.



**E85 Range:  
250-340 miles**

**Gasoline Range:  
340-470 miles**

## Flexible Fuel System



# **Public E85 Availability**

## **Acorn Food Store**

305 South 8<sup>th</sup> Street

Colorado Springs


## **Acorn Food Store**


108 Baxter Road

Pueblo



- 102-107 octane
- Made primarily from corn
- Designed for Flex-Fuel Vehicles



Three E's of 

**Environment**

**Energy**

**Economy**



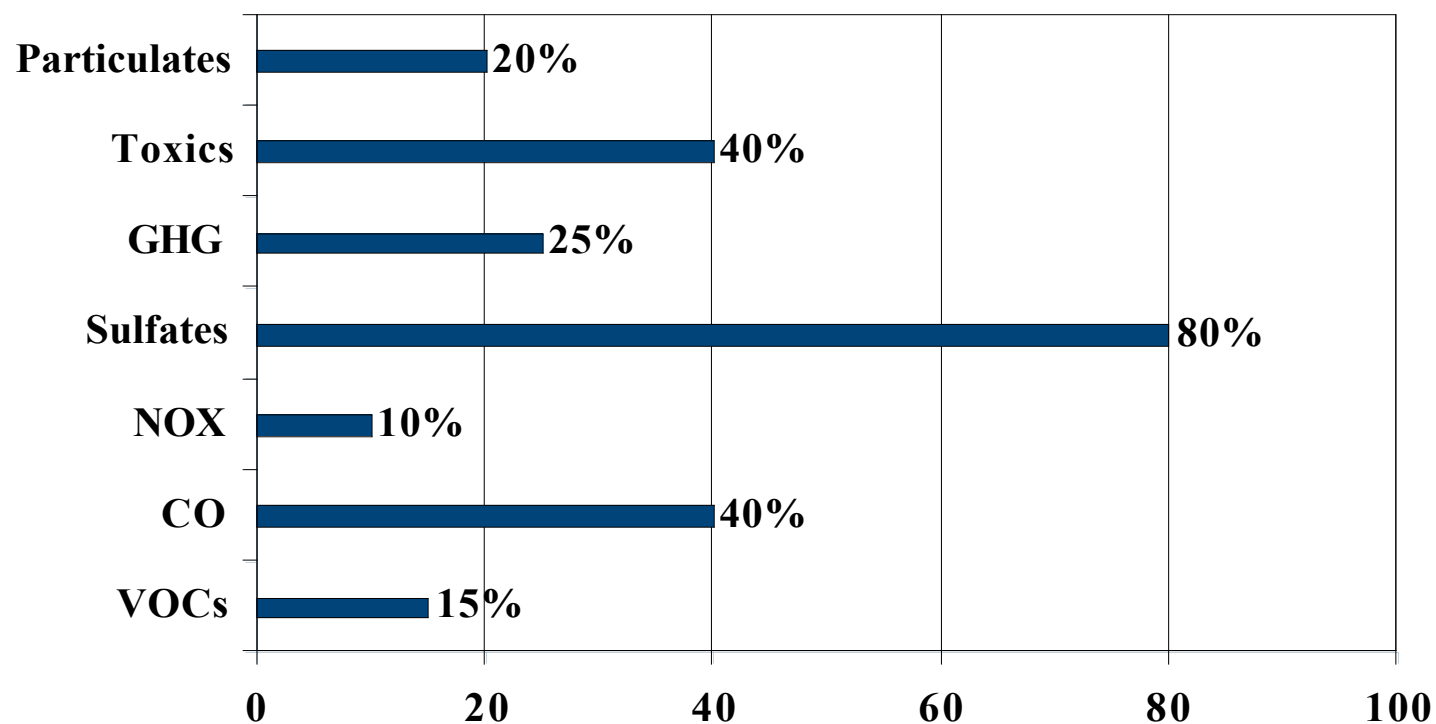
# Environment

- Ethanol use reduced greenhouse gas emissions (GHG) by 7.03 million tons in 2004
- Equal to removing more than 1 million cars from the road
- For every 100 BTUs of energy used to produce ethanol, 167 BTUs of ethanol are produced (USDA)





# Reduces Pollution

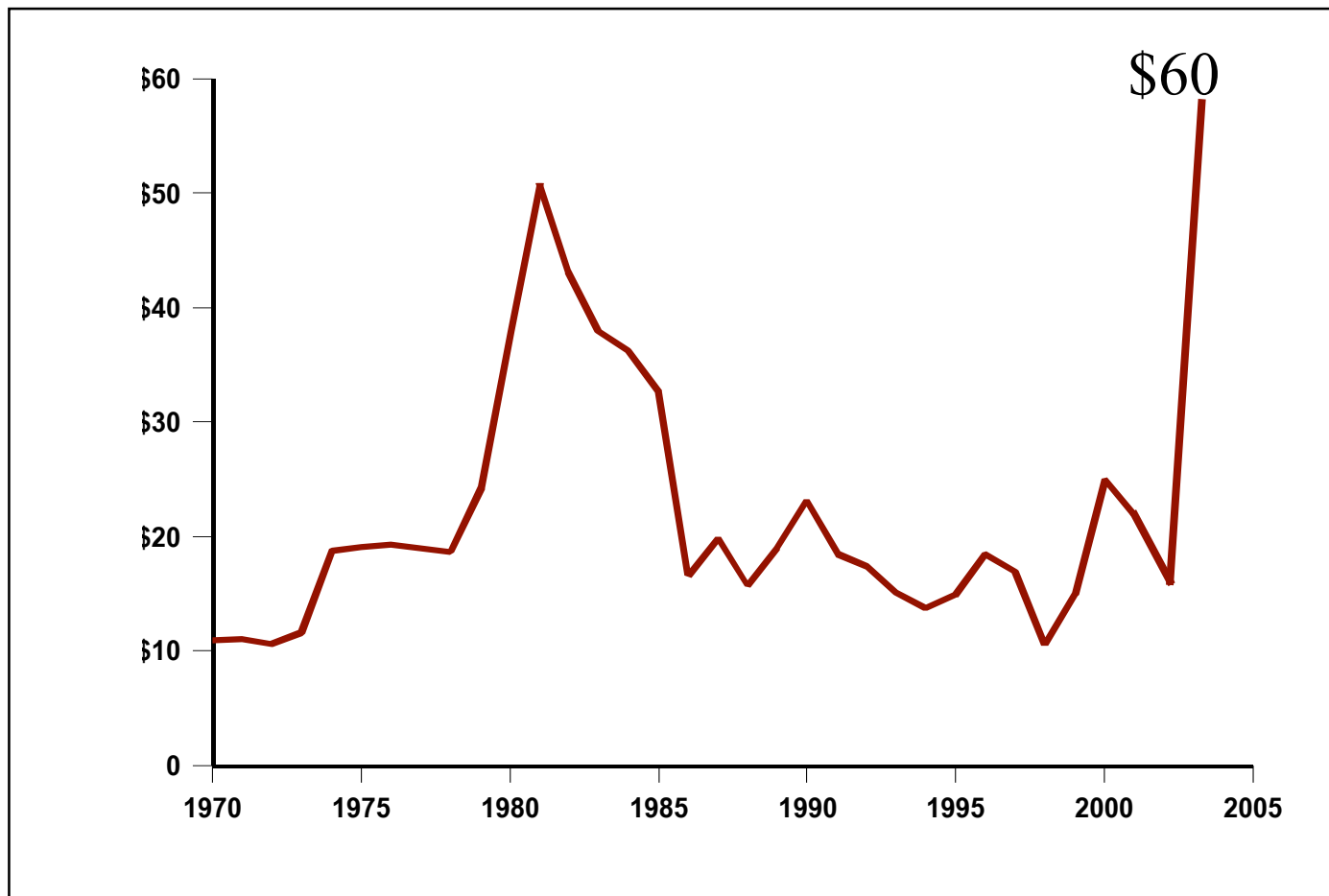




# Energy Independence

- Imported oil costs the US \$300 million per day
- The U.S. imports 64% of its oil, with projection of 77% imports by 2025
- In 2004 ethanol eliminated the need for 143.3 million barrels of imported oil

# Crude Oil Prices





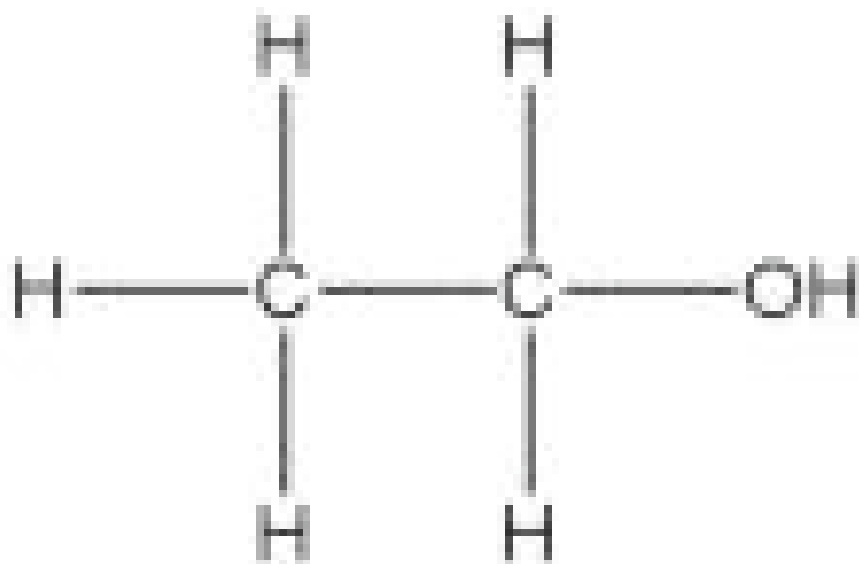
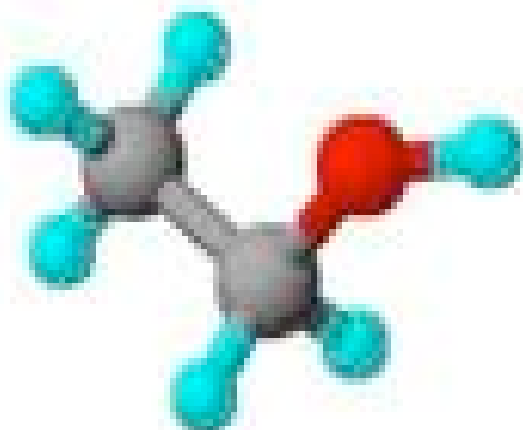
# Economy

- Plant operations and capital spending added \$25.1 billion to gross U.S. output
- Reduced the trade deficit by \$5.1 billion in 2004
- Supported the creation of 147,000 jobs in all sectors of the economy



- Provide contacts for pump instillation and E85 sources
- Coordinate promotions for new E85 pumps
- Train employees on E85 benefits
- Distribute E85 information

# Ethanol in the future





# Pump of the Future

- E85
- E10
- B20